

Presenilin 1 Antibody

Catalog No: #33474



Package Size: #33474-1 50ul #33474-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

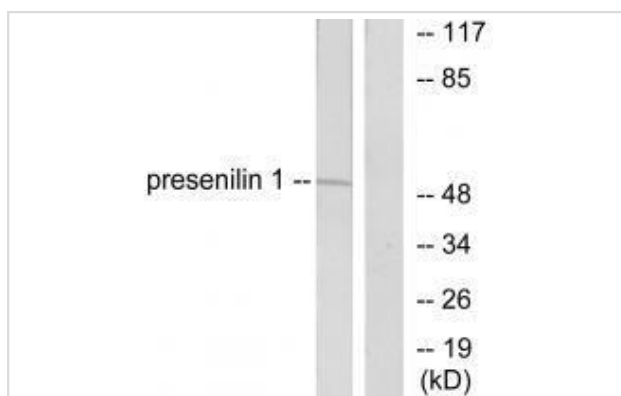
Product Name	Presenilin 1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total presenilin 1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human presenilin 1.
Target Name	Presenilin 1
Other Names	AD3; AD3H; PS-1; PS1; PSN1
Accession No.	Swiss-Prot: P49768NCBI Gene ID: 5663
SDS-PAGE MW	60kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

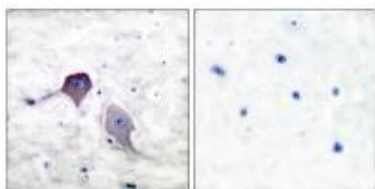
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from mouse heart cells, using presenilin 1 antibody #33474.

Immunohistochemical analysis of paraffin-embedded human brain tissue using presenilin 1 antibody #33474.



Background

Probable catalytic subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (beta-amyloid precursor protein). Requires the other members of the gamma-secretase complex to have a protease activity. May play a role in intracellular signaling and gene expression or in linking chromatin to the nuclear membrane. Stimulates cell-cell adhesion through its association with the E-cadherin/catenin complex. Under conditions of apoptosis or calcium influx, cleaves E-cadherin promoting the disassembly of the E-cadherin/catenin complex and increasing the pool of cytoplasmic beta-catenin, thus negatively regulating Wnt signaling. May also play a role in hematopoiesis.

Yanzhu Liu, J. Lipid Res., Dec 2004; 45: 2368 - 2376.

I. Imafuku, J. Cell Biol., Oct 1999; 147: 121.

Angeliki Louvi, Development, Jul 2004; 131: 3093 - 3105.

Wim G. Annaert, J. Cell Biol., Oct 1999; 147: 277.

Published Papers

et al., Oral *Treponema denticola* Infection Induces A ϵ ¹⁻¹⁷ and A ϵ ¹⁻²¹ Accumulation in the Hippocampus of C57BL/6 Mice. In J Mol Neurosci on 2021 Jul by Xinyi Su 1, Zhiqun Tang, et al..PMID: 33763842, (2021)

[PMID:33763842](https://pubmed.ncbi.nlm.nih.gov/33763842/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.